

In the claims:

All of the claims presented for examination are reproduced below. There are no amendments to the claims or specification herein made in this response. Status of the claims is indicated in each case.

1. (Previously Amended) A system for simulating connection-oriented telephony functions in an IP network, comprising:

two or more IP routers interconnected with at least two Internet-capable call appliances on the network; and

software managing setup and execution of IP calls between the two or more Internet-capable call appliances through the routers;

wherein IP calls are managed between one of said call appliances originating IP calls, wherein the IP calls terminate to an end destination of another of said call appliances by the software by setting up separate and distinct end node legs between call appliances and routers, and separate and distinct intermediate legs between routers, and then joining and disjoining legs to establish voice communication and to provide telephony functions between said call appliances, and maintaining call legs once established for future use to be rejoined to other established call legs.

2. (Original) The system of claim 1 wherein call appliances include Interactive Voice Response(IVR) units, and wherein the system establishes end-node legs between IVRs and IP routers.

3 (Previously Cancelled)

4. (Original) The system of claim 1 wherein the software executes directly on one or more IP routers connected to the network.

5. (Original) The system of claim 1 wherein the software executes on one or more processors enhancing IP routers on the network.

6. (Original) The system of claim 1 further comprising a local area network (LAN) connecting end appliances at one or more of the IP routers, and wherein end-node legs are established via the LAN to appliances on the LAN.

7. (Previously Amended) A method for simulating connection-oriented telephony functions in an IP network, comprising steps of:

(a) managing IP calls by interconnecting two or more IP routers with two or more Internet capable call appliances on a network, at least one of said call appliances originating the IP calls, and terminating IP calls to destinations at another of said call appliances;

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(b) setting up separate and distinct end-node call legs between the call appliances and routers, and separate and distinct intermediate call legs between routers;[and]

(c) joining and disjoining legs to provide telephony functions between said call appliances; and

(d) maintaining one or more disjoined legs in established state for future use to be rejoined to other established call legs in providing telephony functions.

8. (Original) The method of claim 7 wherein call appliances include Interactive Voice Response(IVR) units, and wherein the system establishes end-node legs between IVRs and IP routers.

9 (Previously Cancelled)

10. (Original) The method of claim 7 wherein the software executes directly on one or more IP routers connected to the network.

11. (Original) The method of claim 7 wherein the software executes on one or more processors enhancing IP routers on the network.

12. (Original) The method of claim 7 further comprising a local area network (LAN) connecting end appliances at one or more of the IP routers, and a step for establishing end-node legs via the LAN to appliances on the LAN.

13. (Previously Amended) A method for establishing an IP telephone call from a first IP-capable appliance through first and second IP routers to a second IP-capable appliance, comprising steps of:

(a) setting up a separate and distinct end-node call leg between the first appliance originating an IP call and the first router;

(b) setting up a separate and distinct end-node call leg between the second appliance receiving and being the destination for the IP call, and the second router;

(c) setting up at least one separate and distinct intermediate call leg between the first and second IP routers; and

(d) joining the call legs to establish voice communication between said first and second appliances; and

(e) maintaining call legs after being disjoined from active calls to be used later to be joined to other call legs to create other active calls.

14. (Original) The method of claim 13 further comprising additional interconnected routers and appliances, and including steps for setting up further call legs to additional appliances and between routers, and for joining and disjoining call legs to establish the voice communication by different paths over established call legs.

15. (Previously Cancelled)

16. (Original) The method of claim 14 further comprising Interactive Voice Response (IVR) units, and wherein call legs are established to IVRs.

17. (Previously Amended) A system for simulating connection-oriented telephony functions in an IP network, comprising:

two or more IP routers interconnected with two or more Internet capable call appliances on a network; and

software managing setup and execution of IP calls between said call appliances through the routers;

wherein IP calls are managed by the software by setting up call legs between said call appliances and routers, and between routers, which can then be manipulated, disjoined and joined to establish voice communication and to provide telephony functions between said call appliances, and maintaining call legs once established for future use to be rejoined to other established call legs, wherein one of said call appliances is the originator of the IP calls and another of said call appliances is the end destination of the IP calls.
